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NOTICE OF ALLOWANCE AND FEE(S) DUE

21186

7590

04/08/2008

SCHWEGMAN, LUNDBERG & WOESSNER, P.A. P.O. BOX 2938
MINNEAPOLIS, MN 55402

EXAMINER

TSAI, SHENG JEN

ART UNIT PAPER NUMBER

2186 DATE MAILED: 04/08/2008

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/643,585 | 08/18/2003 | Steven L. Scott | 1376.700US1 | 4004 |

TITLE OF INVENTION: LATENCY TOLERANT DISTRIBUTED SHARED MEMORY MULTIPROCESSOR COMPUTER

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1440 | \$0 | \$0 | \$1440 | 07/08/2008 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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A. Pay TOTAL FEE(S) DUE shown above, or

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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| MINNEAPOLIS | 5, MN 55402 | | ado tra: | lressed to the Mai nsmitted to the USP | l Stop TO (57 | ISSUE FEE address (1) 273-2885, on the d | above, or being facsimile ate indicated below. |
| | | | | | | | (Depositor's name) |
| | | | _ | | | | (Signature) |
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| TSAI, SHI | | 2186 | 711-147000 2. For printing on the | 6 | | | |
| CFR 1.363). ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. | | | (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. | | | | |
| PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG | ess an assignee is ident h in 37 CFR 3.11. Comp GNEE | | data will appear on the JT a substitute for filing ar (B) RESIDENCE: (CIT | patent. If an assign assignment. Y and STATE OR C | COUNT | TRY) | ocument has been filed for |
| Please check the appropr | iate assignee category or | categories (will not be pr | inted on the patent): | I Individual | orporati | ion or other private gro | oup entity Government |
| | are submitted: To small entity discount p | 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). | | | | | |
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| an application. Confident submitting the completed this form and/or suggesti | tiality is governed by 35 application form to the ons for reducing this but irginia 22313-1450. DC | U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th | 1.14. This collection is established depending upon the indicate Chief Information Office | stimated to take 12 i vidual case. Any co eer. U.S. Patent and | minutes omment Traden | s to complete, including ts on the amount of time mark Office, U.S. Dens | I by the USPTO to process) gg athering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450, |

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| MINNEAPOLIS, I | MINNEAPOLIS, MN 55402 | | 2186 | | |
| | | | DATE MAILED: 04/08/2008 | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 188 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 188 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| Notice of Allowability The MAILING DATE of this communication appears on the All claims being allowable, PROSECUTION ON THE MERITS IS (OR REM/herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other at NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. The of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPE 1. This communication is responsive to 3/12/2008. 2. The allowed claim(s) is/are 1.3-8 and 11-18. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S. a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been receed 2. Certified copies of the priority documents have been receed 3. Copies of the certified copies of the priority documents have been receed 3. Copies of the certified copies of the priority documents have been receed 3. Copies of the certified copies of the priority documents have been receed 3. Copies of the certified copies of the priority documents have been receed as the priority | Art Unit 2186 cover sheet with the correspondence address AINS) CLOSED in this application. If not included oppropriate communication will be mailed in due course. THIS ais application is subject to withdrawal from issue at the initiative 21308. C.C. § 119(a)-(d) or (f). Sived. Sived in Application No ave been received in this national stage application from the munication to file a reply complying with the requirements |
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| CORRECTED DRAWINGS (as "replacement sheets") must be subm (a) ☐ including changes required by the Notice of Draftsperson's Pater | |
| 1) ☐ hereto or 2) ☐ to Paper No./Mail Date | t brawing review (1 10-340) attached |
| (b) ☐ including changes required by the attached Examiner's Amendm Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) show | ıld be written on the drawings in the front (not the back) of |
| each sheet. Replacement sheet(s) should be labeled as such in the header at 6. DEPOSIT OF and/or INFORMATION about the deposit of BIO attached Examiner's comment regarding REQUIREMENT FOR THE | LOGICAL MATERIAL must be submitted. Note the |
| | |
| <u> </u> | 5. Notice of Informal Patent Application |
| | 6. |
| Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 3/12/2008 | 7. ⊠ Examiner's Amendment/Comment |
| 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. ☐ Examiner's Statement of Reasons for Allowance 9. ☐ Other |

Application/Control Number: 10/643,585 Page 2

Art Unit: 2186

DETAILED ACTION

1. This Office Action is taken in response to Applicants' Request for Continued Examination (RCE) filed on March 12, 2008 regarding application 10/643,585 filed on August 18, 2003.

2. Claims 1, 3-8 and 11-18 are pending under consideration.

EXAMINER'S AMENDMENT

- 3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- **4**. Authorization for this examiner's amendment was given in a telephone interview with Thomas F. Brennan (Reg. No. 35,0765) on 05/23/2007.

The application has been amended as follows:

Claim 18 is now amended to be:

"(Previously Presented) The method of claim 48 17, wherein the shared memory includes a plurality of cache coherence directories and wherein connecting includes coupling each processing node to one of the cache coherence directories."

Allowable Subject Matter

5. Claims 1, 3-8 and 11-18 are allowed.

Conclusion

Application/Control Number: 10/643,585 Page 3

Art Unit: 2186

6. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Sheng-Jen Tsai whose telephone number is 571-272-

4178. The examiner can normally be reached on 8:00 - 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Matthew Kim can be reached on 571-272-4182. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

/Sheng-Jen Tsai/

Partial Signatory Examiner, Art Unit 2186

March 31, 2008

/Matt Kim/

Supervisory Patent Examiner, Art Unit 2186

Application Number

| Application/Control No. | Applicant(s)/Patent under Reexamination | | | |
|-------------------------|---|------|--|--|
| 10/643,585 | SCOTT, STEVE | N L. | | |
| Examiner | Art Unit | | | |
| Sheng- len Tsai | 2186 | | | |

U.S. Patent and Trademark Office Part of Paper No. 20070523